

# **Healthcare Workforce Summit**

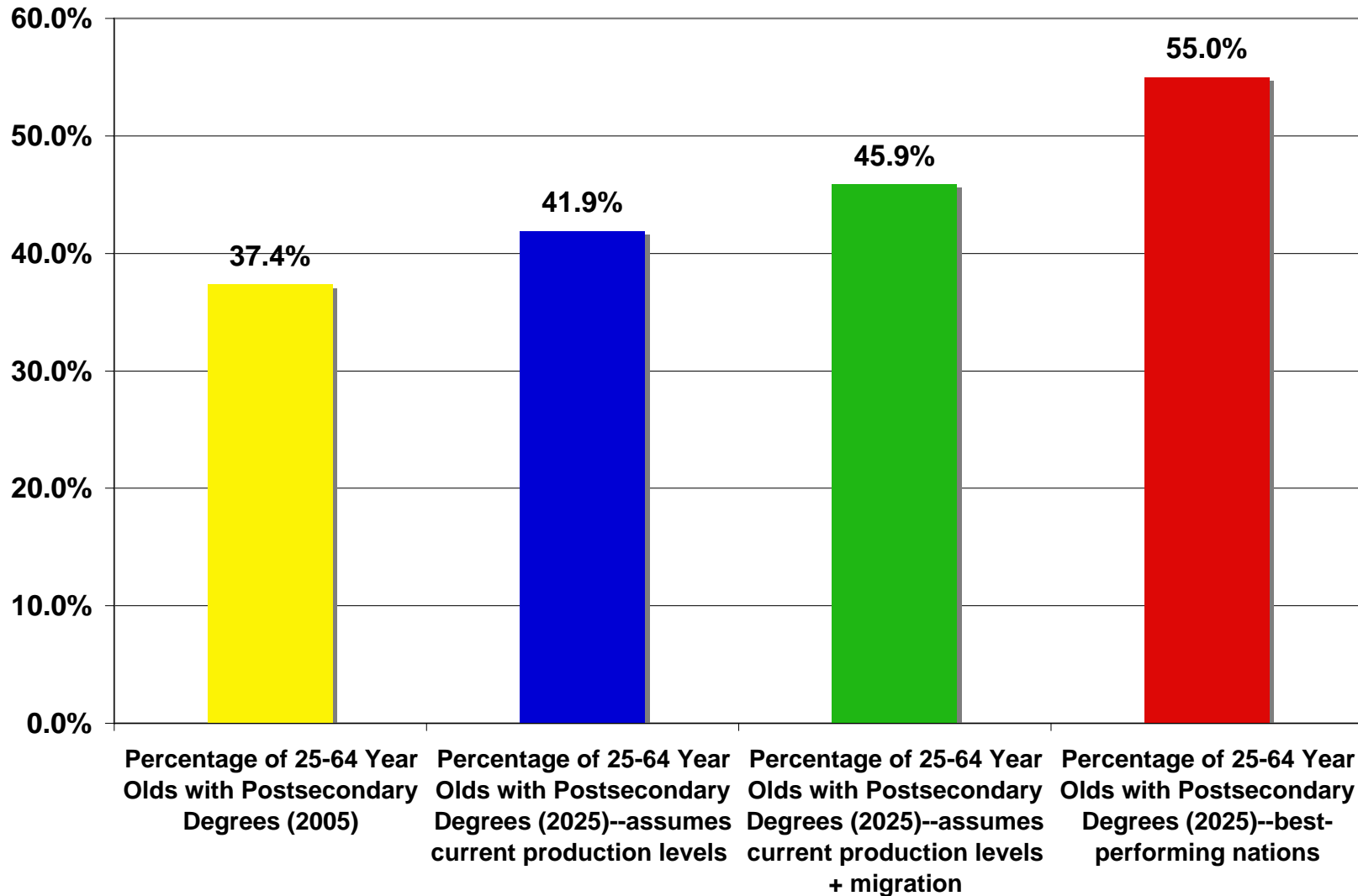
## **July 24, 2007**

### **Pierre**

**Tad Perry**  
**Executive Director**  
**South Dakota Board of Regents**

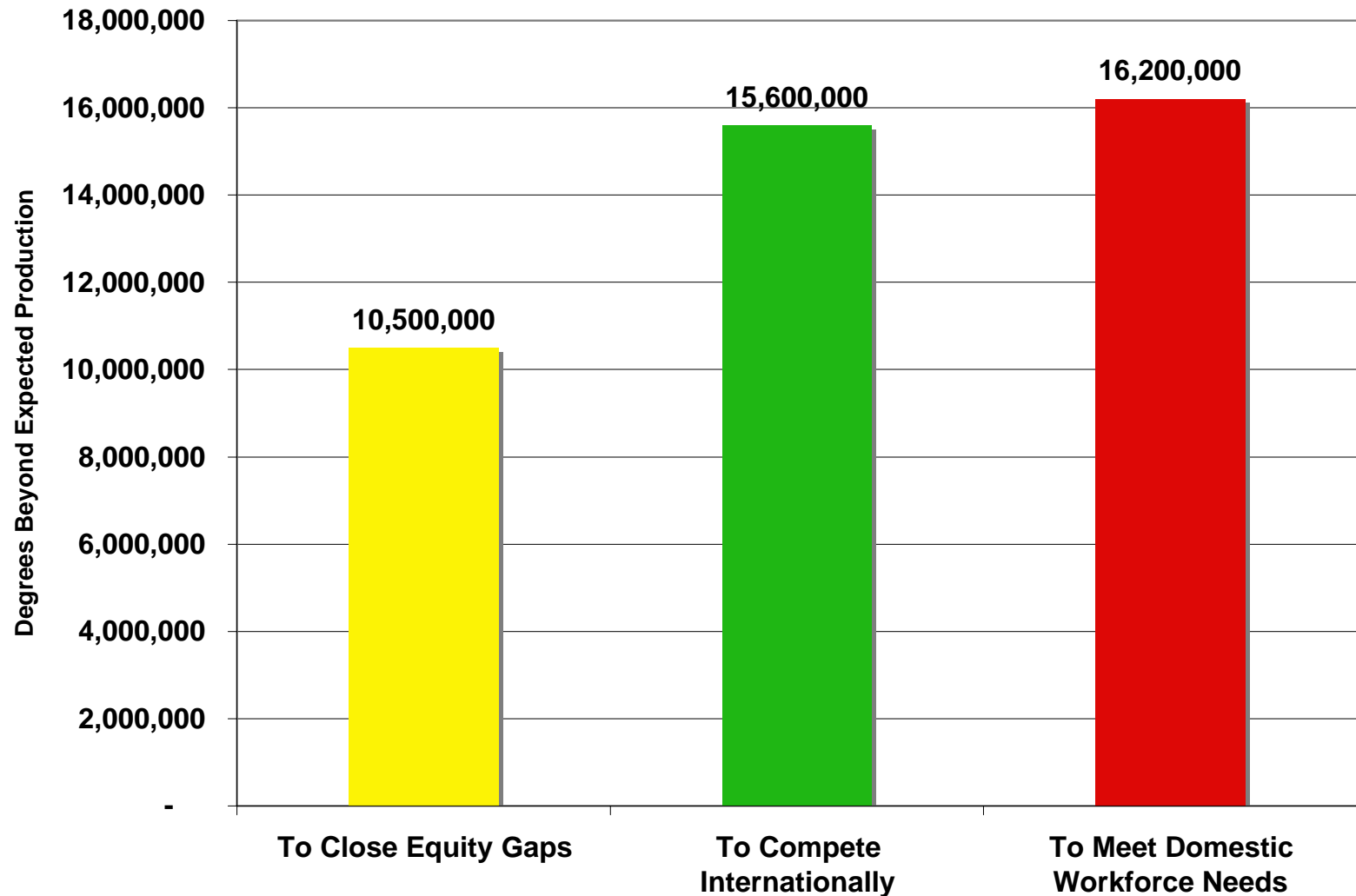
<http://www.sdbor.edu>

# The Attainment Challenge--U.S.



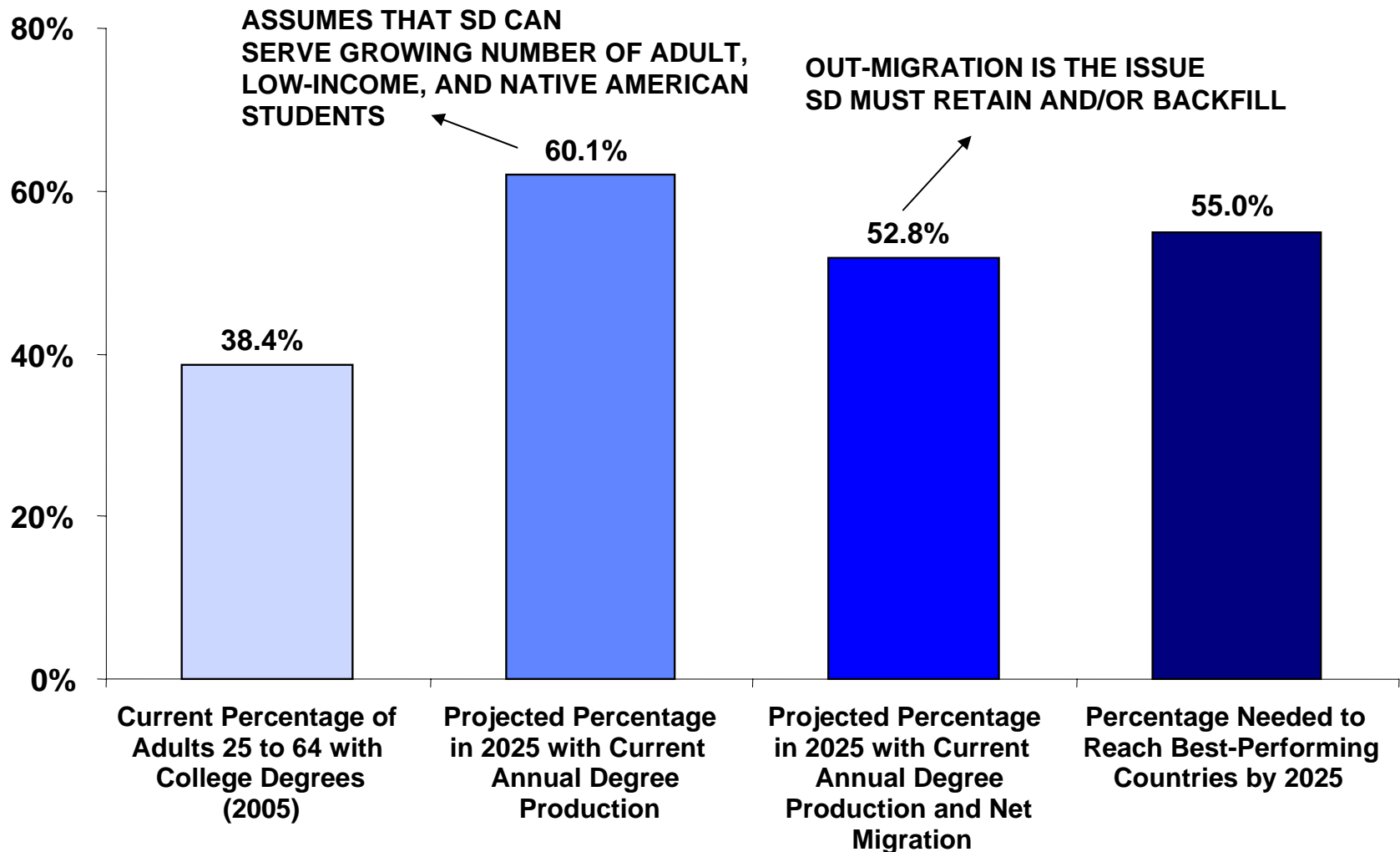
SOURCES: NCHEMS, OECD, USDOE

# Closing the Gap—Number of Degrees Required Beyond Current Production

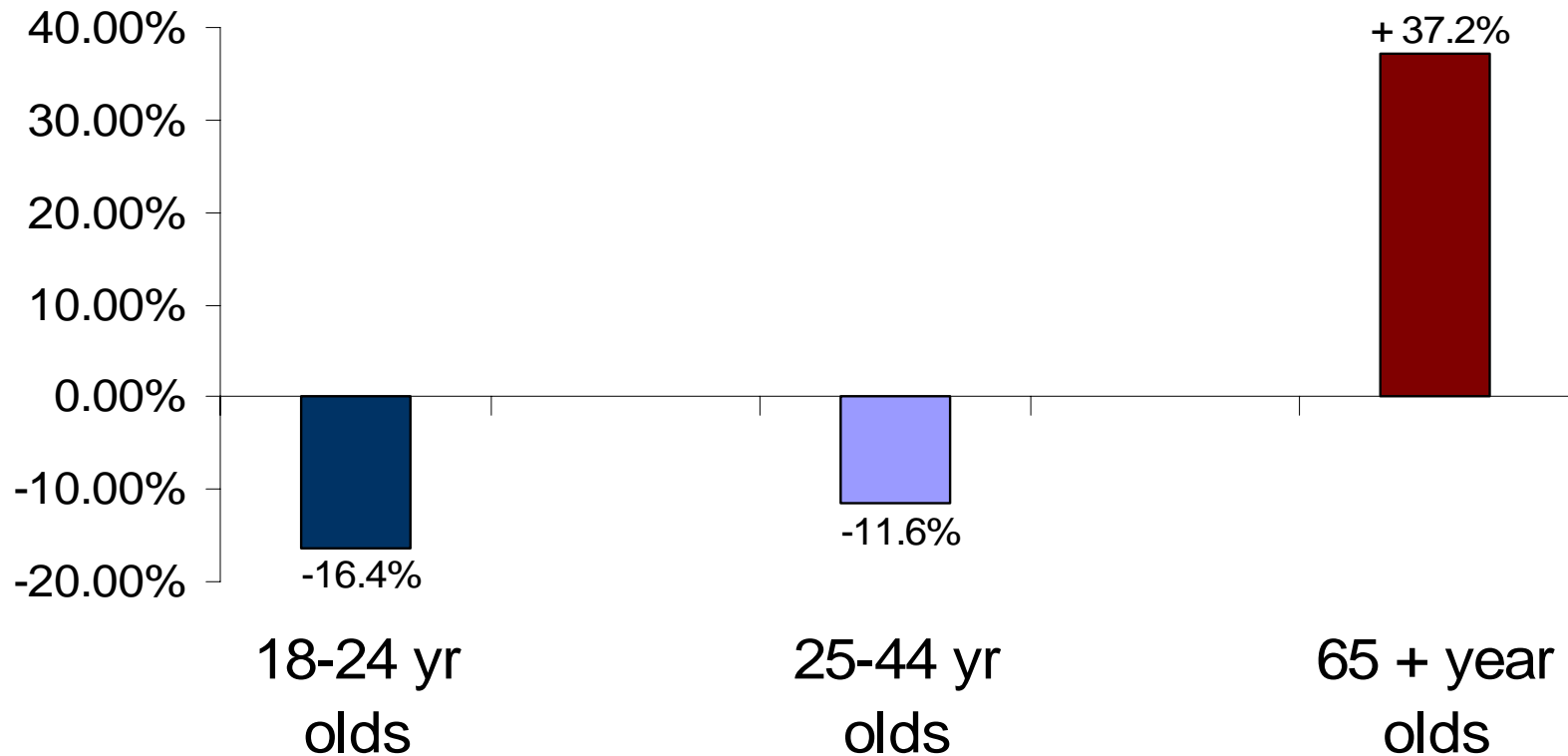


SOURCE: NCHEMS

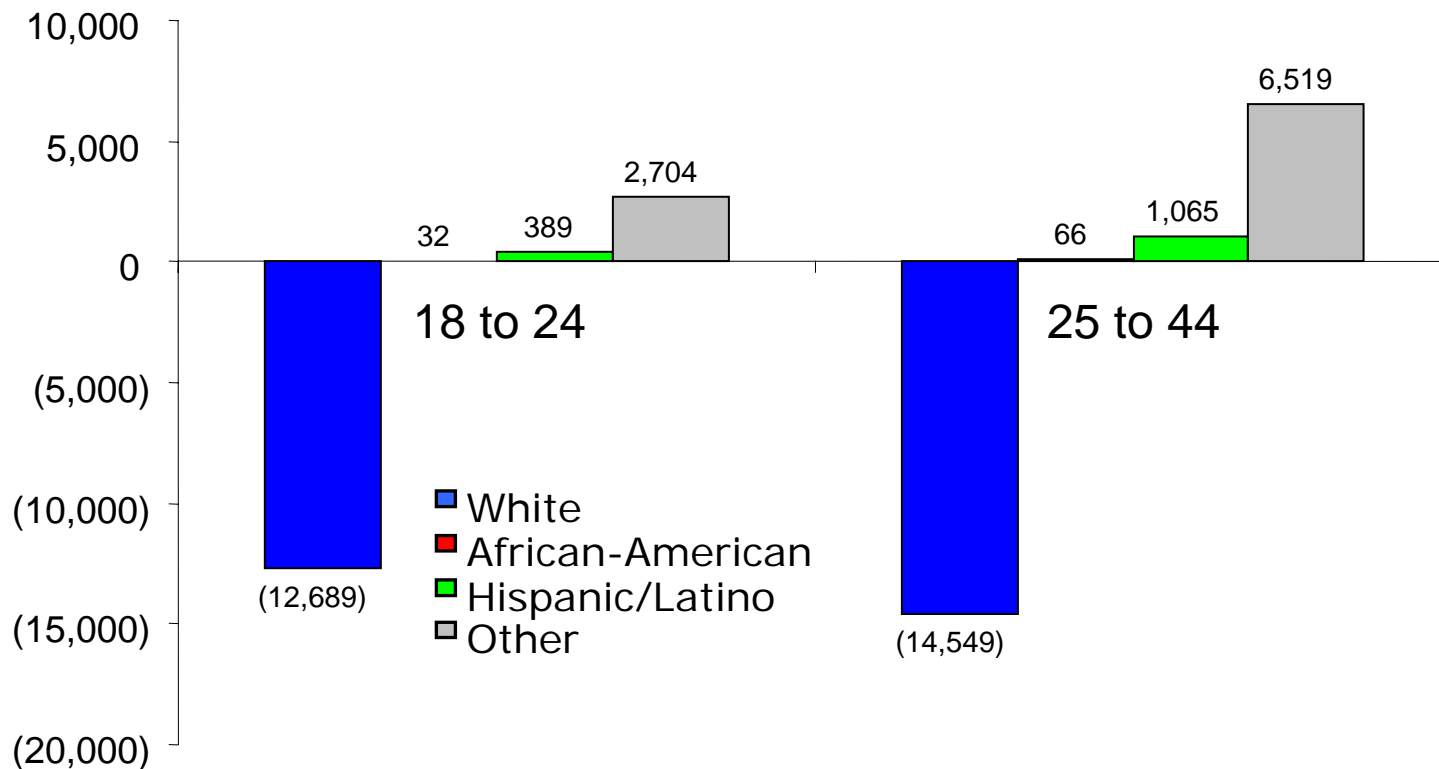
# The Attainment Challenge -- South Dakota



# South Dakota Population Change 2000-2025



# South Dakota's Demographic Landscape: Projected Population Change, 2005-2025



SOURCE: U.S. Census Bureau



# Population Change & Healthcare Workforce for the Future

- South Dakota will need more university healthcare graduates to care for an older population.
- Healthcare providers – Physicians, Dentists, Nurses, and all others – will have to come from all segments of the population.
  - Native Americans
  - Immigrants
  - Students from low income & non-college families
  - Older people changing careers



# State Higher Education System Goals

## Policy Goals for the Unified System of Public Higher Education

- **Access:** Every qualified South Dakotan shall have access to public postsecondary education.
- **Academic Quality and Performance:** South Dakota public universities and special schools shall provide a quality educational experience.
- **State Wealth:** South Dakota's public universities shall engage in activities designed to enhance the state's long-term economy.
- **Efficiency:** South Dakota public universities and special schools shall continue to seek means for improving efficiency in the delivery of educational services.





# State Economic Development Goals

## Governor's 2010 Economic Development Initiative

<http://www.2010initiative.com>

### **GOAL Four: Brand and Develop South Dakota 's Quality of Life as the Best in America by 2010**

- ☐ Stabilize rural populations through community development.
- ☐ Enhance South Dakota's image to young people in an effort to retain and import young adults.

Available and affordable healthcare will help to attract and retain people of all ages.



# State Economic Development Goals

## Governor's 2010 Education Initiative

<http://www.2010education.com>

**Goal 3: By 2010, the postsecondary education system will fully meet the needs of the state's changing economy and its citizens.**

- ☐ Objective 3C: Support postsecondary education programs designed to enhance the state's long-term economy.
- ☐ Objective 3E: Double the number of students receiving South Dakota Opportunity Scholarships.

Mathematics and Science courses required for the Scholarship prepare students for university healthcare degree programs.

# Public University Healthcare Programs

<http://www.sdbor.edu/health/programs.htm>

Spring 2007 University Enrollments & DOL Projections

	Spring 2007	2004	2014	% Change
<u>First Professional Programs</u>				
■ Medicine (MD) – USD	200	1,924	2,284	19%
■ Pharmacy (PharmD) – SDSU	251	803	1,016	27%
■ Physical Therapy (DPT) – USD	54	551	724	31%
■ Audiology (AuD) – USD	11	39	43	10%
<u>Nurses, Registered</u>				
		8,885	12,005	35%
■ Nursing – SDSU (6 PhD & 124 MS)	130			
■ Nursing, BS – SDSU (422 pre-nursing)	801			
■ Nursing, AS – USD (357 pre-nursing)	668			
<u>Graduate Programs</u>				
■ Physician Assistant – USD	40	324	466	44%
■ Speech-Language Pathology – USD	40	279	325	16%
■ Occupational Therapy – USD	33	244	309	27%
<u>Undergraduate Programs</u>				
■ Medical/Clinical Tech – NSU, SDSU, USD	90	662	831	26%
■ Dental Hygiene – USD	72	423	597	41%
■ Respiratory Care – DSU	69	274	365	33%
■ Dietetics (specialization) – SDSU	62	150	170	13%

# Public University Healthcare Programs

<http://www.sdbor.edu/health/programs.htm>

Spring 2007 University Enrollments & DOL Projections

All public universities have the courses needed to prepare students for admission to professional programs in healthcare.

	<u>Spring 2007</u>	<u>2004</u>	<u>2014</u>	<u>% Change</u>
<u>Pre-Professional Students</u>				
■ Pre-Medicine	257	1,924	2,814	19%
■ Pre-Pharmacy	289	803	1,016	27%
■ Pre-Dentistry	66	352	405	15%
■ Pre-Optometry	22	123	149	21%
■ Pre-Physical Therapy	168	551	724	31%
■ Pre-Physician Assistant	41	324	466	44%
■ Pre-Occupational Therapy	35	244	309	27%




# Healthcare Workforce for the Future: Accomplishments

## New Degree Programs

- USD MS in Physician Assistant Studies (2003)
- SDSU PhD in Nursing (2004)
- USD Doctor of Audiology (2004)
- USD Doctor of Physical Therapy (2005)
- USD Master of Public Health (2007 expected)
- USD BS in Health Sciences (2007 expected)

## Programs Expanded & Off-Campus

- SDSU BS in Nursing – 12 month program, Sioux Falls
- USD AS in Nursing – Sioux Falls, Watertown, Pierre, Rapid City
- USD MS in Speech-Language Pathology – Online/Off-campus



# Healthcare Workforce for the Future: University System Next Steps

- Review health programs available through Electronic University Consortium.
- Examine program capacity and expansion demands.
- Review demands for healthcare faculty.
- Review clinical/internship opportunities.

# Healthcare Workforce for the Future: What We Can Do

- Use SDCollegePrep to communicate the need for sound preparation for college (Math & Science)

<http://www.sdbor.edu/sdcollegeprep/>

- Maintain and promote the South Dakota Opportunity Scholarship.
  - Maintain the value of the Scholarship over time
  - Increase the number of Scholarship students
- Provide information about healthcare careers to secondary and university students – the entire range of careers to all segments of the population.



# Healthcare Workforce for the Future: What We Can Do

- Develop healthcare degree programs for older students who cannot relocate to a university community.
  - Off-campus programs in communities where there is demand
  - Online programs through Electronic University Consortium
- Contribute to an environment that is attractive to healthcare professionals.





# Healthcare Workforce for the Future: Information on the Web

Board of Regents

<http://www.sdbor.edu/>

Public University Healthcare Programs

<http://www.sdbor.edu/health/programs.htm>

SD College Prep

<http://www.sdbor.edu/sdcollegeprep/>

South Dakota Opportunity Scholarship

<http://www.sdbor.edu/SDOppportunityScholarship.htm>